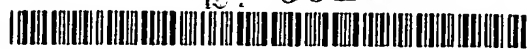


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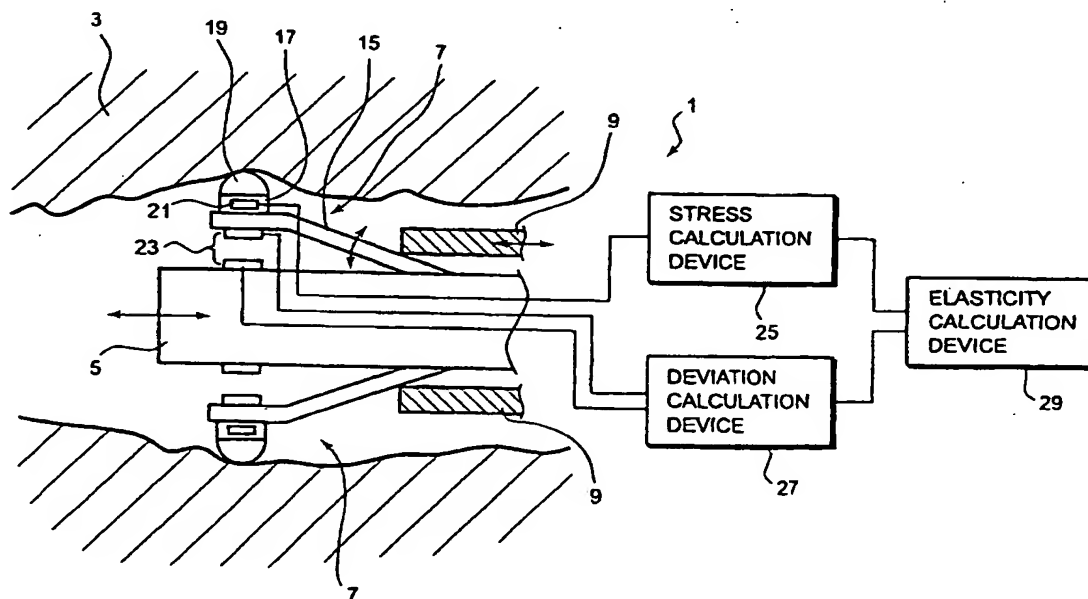
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[Continued on next page]

(54) Title: ELASTICITY MEASURING DEVICE FOR BIOLOGICAL TISSUE



(57) Abstract: We disclose an elasticity-measuring device which can be inserted into a canal part of living body and which is capable of quantitatively measuring the elasticity of the biological tissue of inner side of canal part. The device consists of a probe base (5) and probes (7). The probes (7) are secured to probe base (5) and driven to press onto and return from biological tissue. According to the stress or hardness of the biological tissue measured by sensors on probes (7) and to the deviation between the probes (7) and the probe base (5), we can decide the elasticity of the biological tissue of inner side of canal part quantitatively.

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— with amended claims and statement

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Fig. 1

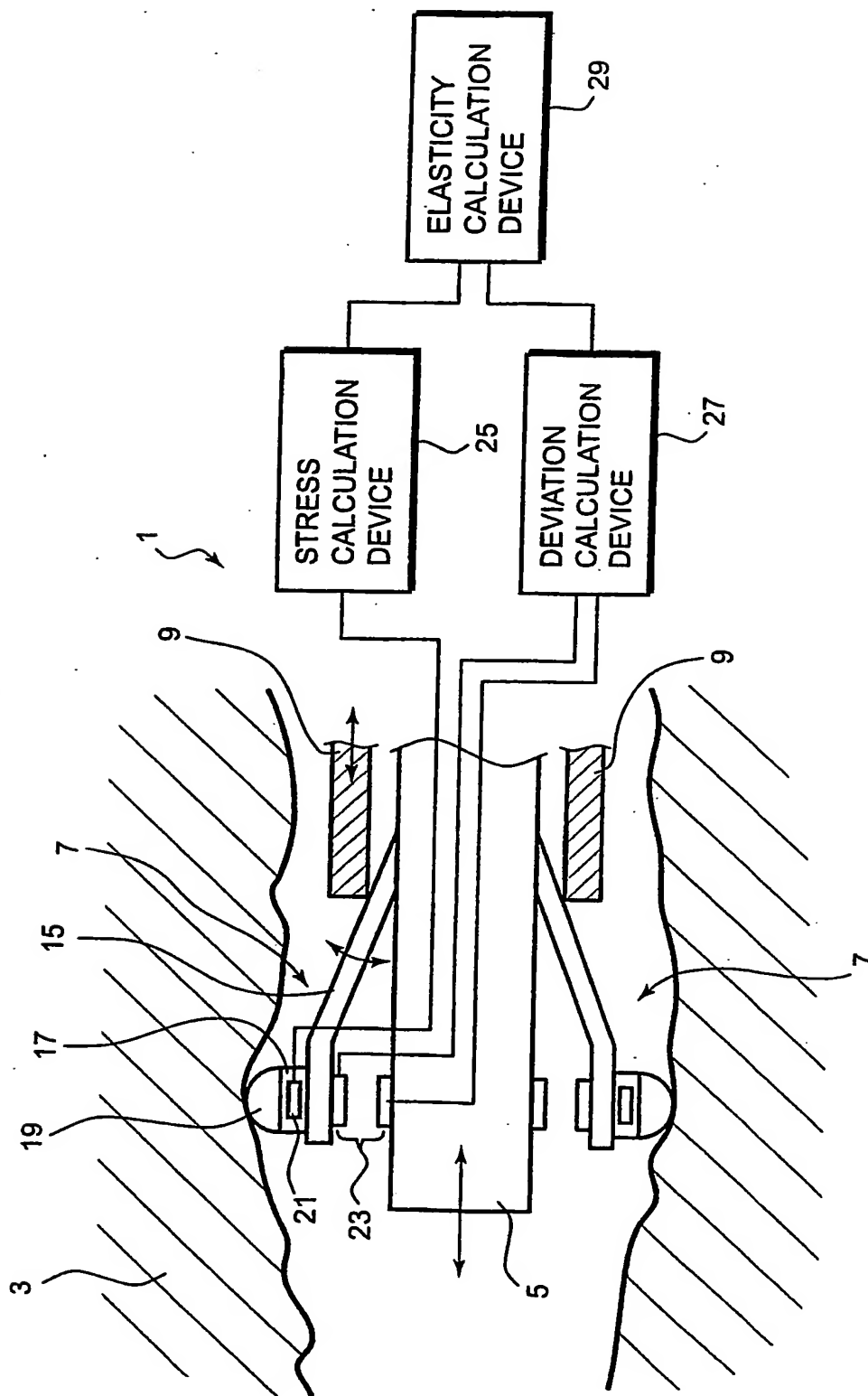


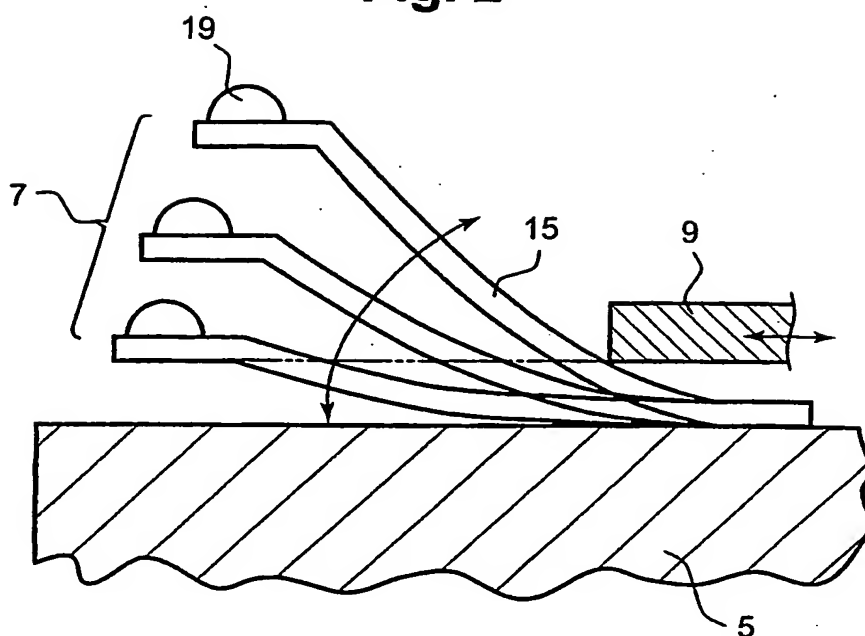
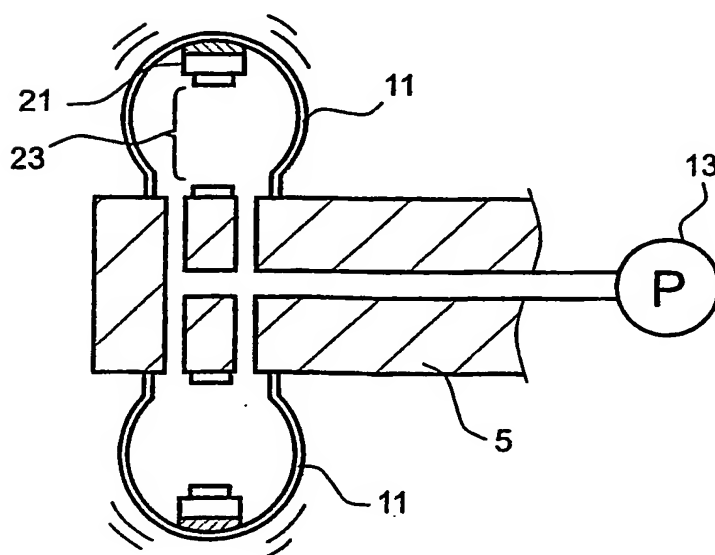
Fig. 2**Fig. 3**

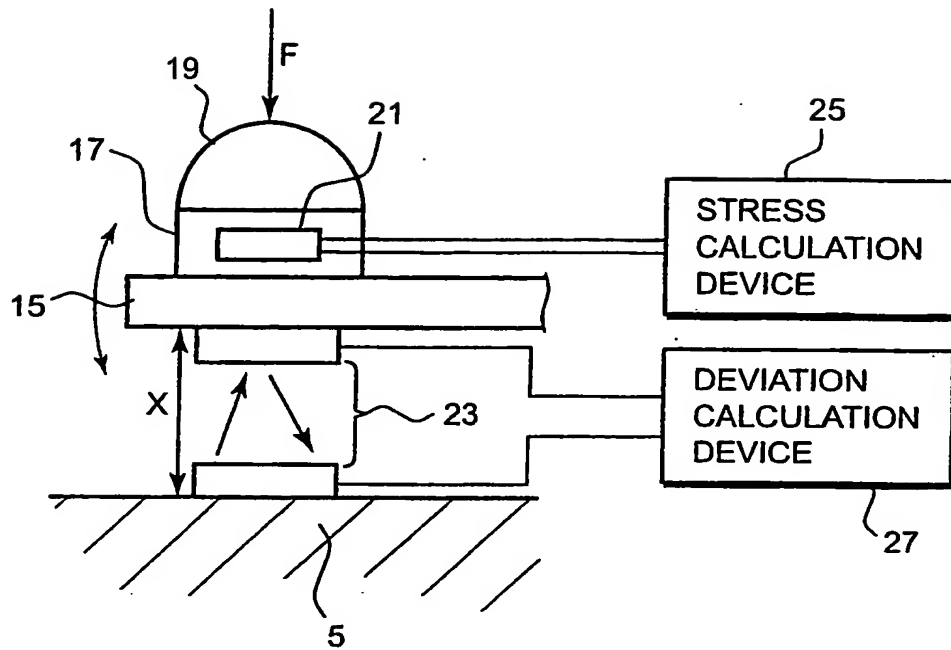
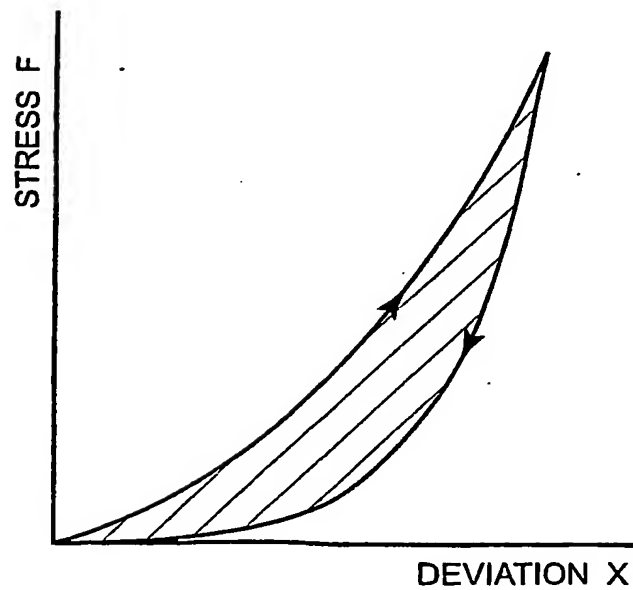
Fig. 4**Fig. 5**

Fig. 6

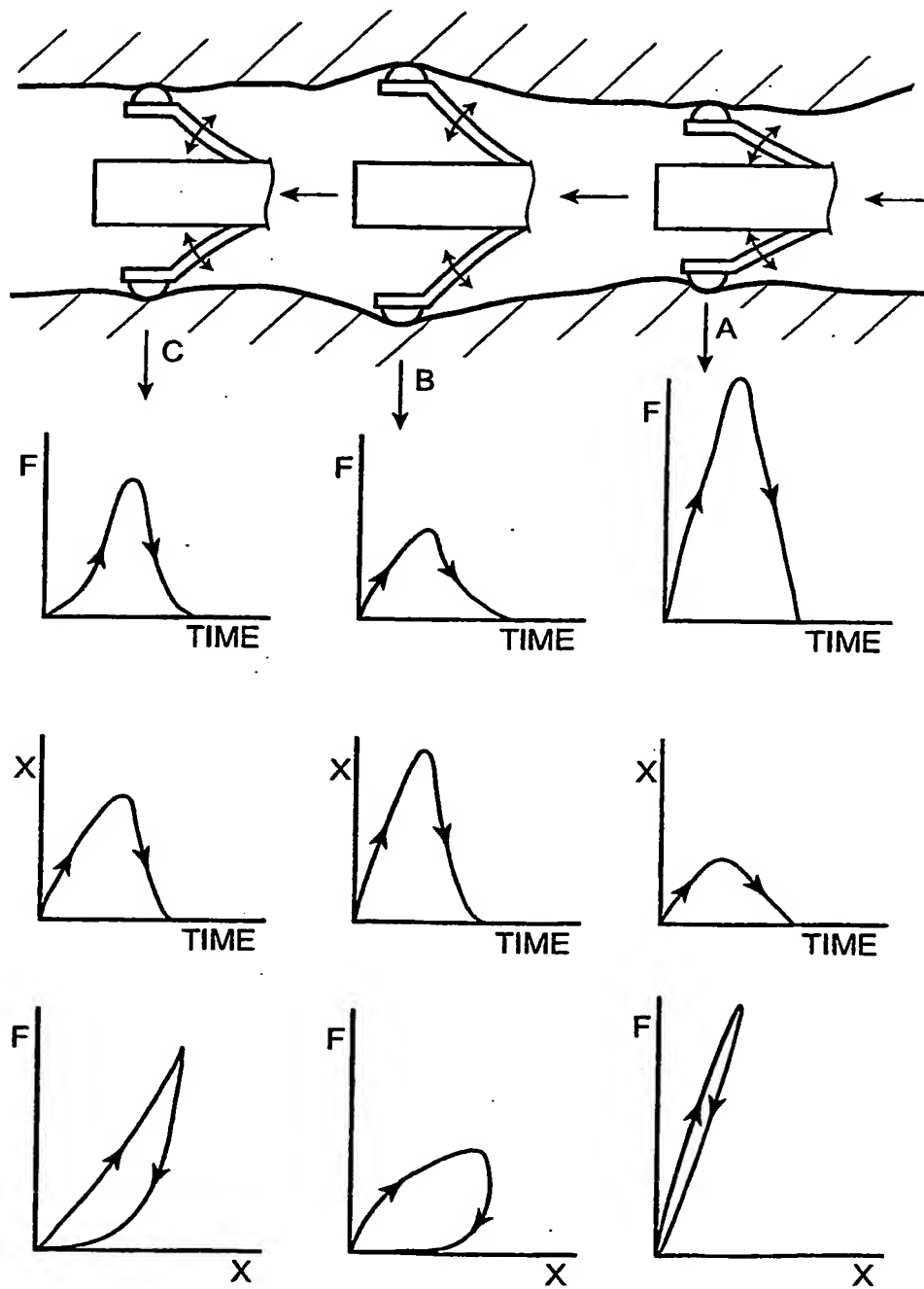
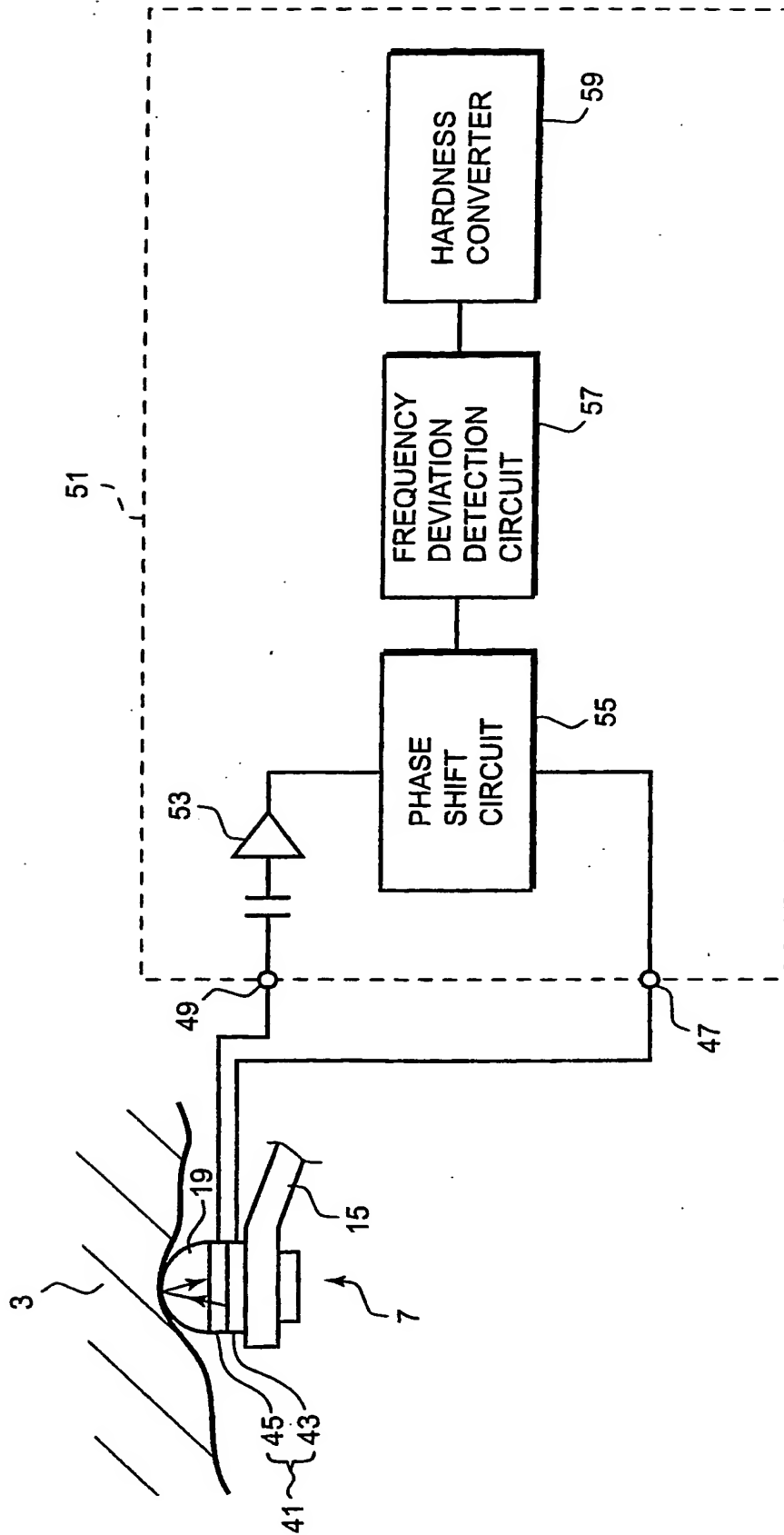


Fig. 7



INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP02/08389

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ A61B 5/00 , A61B5/20 , A61B5/22

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
Int.Cl⁷ A61B 5/00 , A61B5/20 , A61B5/22 , A61B10/00Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Japanese Utility Model Gazette 1926-1996, Japanese Publication of Unexamined Utility Model Applications 1971-2002, Japanese Registered Utility Model Gazette 1994-2002, Japanese Gazette Containing the Utility Model 1996-2002Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
JOIS (JICST Files)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y A	JP 4-19862 B2 (Universite Rene Descartes) 1992.03.31, see all document, Fig.1-7 & US 4566465 A & FR 2543834 A & GB 2137499 A	1, 2, 4 5, 6 3, 7
Y	JP 3151153 B2 (Sadao Omata, & Axiom Co., Ltd) 2001.01.19, see all document, Fig.1-38 & US 5766137 A & EP 764842 A2 & AU 709813 B	5, 6
A	JP 3-54575 B2 (Muneyuki MORIKAWA, etc.) 1991.08.20, see all document, Fig.1-6 (Family:none)	1-7

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